

A. General

1. **Exterior lighting.** All projects shall comply with the County of San Diego lighting ordinance.
2. **GFCI outlets.** Ground Fault Circuit Interrupter (GFCI) outlets are required in bathrooms at kitchen counters, at handoff and wet bars/sha, in garages, in crankspaces, in unfinished basements, and outdoors. (CSCC 210.8)
3. **AFCI outlets.** Electrical circuits in bedrooms, living rooms, dining rooms, dens, close hallways, or similar rooms must be protected by Arc Fault Circuit Interrupters (AFCI),

9. **Underfloor access.** Underfloor areas shall be accessible through a 24-inch access opening. (CRC R408.4)

- igniting flammable vapors shall be placed on minimum 18-inch-high platform unless the platform is constructed of noncombustible material (CPC 507.13 and CMC 308.1.1)
9. **Impact protection of appliances.** Water heaters and heating/cooling equipment shall be protected from impact damage by guards or other equivalent measures. (CPC 507.13.1 and CMC 308.1.1)
10. **Water closet clearance.** Minimum 36-inch-wide by 24-inch-deep clearance required front of water closets. (CPC 402.5)
11. **Water closet efficiency.** All water closets shall use maximum 1.6 gallons average per flush. (CPC 402.5)

C. ASHRAE 62.2-2007 Mechanical Ventilation / Indoor Air Quality

3. **Concrete slabs-on-grade.** Slabs-on-grade shall be minimum 3-1/2-inches thick, (CRF 506.6.1)
4. **Vapor retarder.** A 6-mil polyethylene or approved vapor retarder with joints lapped minimum 6 inches shall be placed between a concrete slab-on-grade and the base course or subgrade. (CRF 506.6.2.3)

Bearing partitions perpendicular to joists shall

- c.** Wood framing members that rest on concrete or masonry exterior foundation walls are less than 8 inches from exposed earth **shall** be of naturally durable or preservative-treated wood.

28. Framing of floor openings. Openings in floor timmer joists. When the header joist span does

- inch on tops, sides, and ends
- g. Wood structural members supporting moisture-permeable floors or roofs exposed to weather, such as concrete or masonry slabs, unless separated from such floors or roofs by an impervious moisture barrier

E. Wood Framing (Continued)

- E. Wood Framing**
1. **Faster requirements.** The number, size, and spacing of fasteners connecting wood members/elements shall not be less than that set forth in CRC Table R602.3(1), (CRC R602.9, CRC R602.3, and CRC R602.2)

E. Wood Framing

7. **Top plate splices.** Top plate top splices shall be face-bolted with minimum 8 16d nails on each side of splice. (CAC R602.10.2.1)
8. **Exterior wall or header back-bearing.** When piling or cutwork is placed in or partly in existing wall or header back-bearing, necessitating cutting, drilling, or notching of top plate by more than 50% of its width, a galvanized metal tie not less than 0.054-in. thick and 1-1/2-inches wide shall be fastened across and to the plate at each side of the opening with not less than 8 10d nails having a minimum length of 1-1/2 inches at each side or equivalent. The metal tie must extend minimum 6 inches past the opening. (CAC R602.10.2.2)

E. Wood Framing (Continued)

- or hip rather not less than 2-inch nominal thickness and not less in depth than the cul edge of the cul. **Valleys** shall be supported at the ridge by a brace to a bearing partition or be designed to carry and distribute the specific load at that point. Where the slope is less than 2:1 slope (65% gradient), structural members that support ridges and colling pilots, such as ridges, hips, and **valleys**, shall be designed beams. (CNC RB02.3)

of the rafter. Hip and valley rafters shall be supported by a bearing partition or be designed to carry and distribute the load.

34. **Purlins.** Purlins installed to reduce the span of rafters shall be sized not less than the required size of the rafters they support. Purlins shall be continuous and shall be supported by 2-in.-by-4-in. nominal braces installed to bearing walls at a minimum 45-degree slope from horizontal. The braces shall be spaced maximum 4 feet on center with a maximum float-unbraced length. (CRC R202.5.1)
35. **Roof/ceiling member bearing.** The ends of each rafter or ceiling stud shall have not less than 1-1/2 inches of bearing on wood or metal and not less than 3 inches of bearing on masonry or concrete. (CRC R202.6)
36. **Roof/ceiling member lateral support.** Roof framing members and ceiling joists with

E. Wood Framing (Continued)

- a. Ceiling is suspended under the floor framing
- b. Floor framing is constructed of I-joist-type openweb or perforated members

be provided in floor/ceiling assemblies under the R302.12):

4. **Groat.** Groat **shall** conform to ASTM C-76 and **shall** consist of 1 part portland cement, 17/10 part hydrated lime, 2-1/4 parts sand, and 1 to 2 parts gravel. Groat **shall** maintain a minimum compressive strength of 2,000 psi at 28 days. (CBC 2103.4, 3)
5. **Masonry.** Masonry units **shall** comply with ASTM C-90 for load-bearing concrete masonry units. (CBC 2103.1)
6. **Reinforcing steel.** Reinforcing steel used in construction of reinforced masonry or concrete structures **shall** be deformed and comply with ASTM A-615. (CBC 2103.14)

F. General Material Specification

7. **Structural steel.** Steel used as structural shapes shall comply with the following sections, channels, plates, and angles shall comply with ASTM A36. Pipe columns shall comply with ASTM A53. Structural tubes shall comply with ASTM A500, Grade B.
 8. **Fasteners for preservative-treated wood.** Fasteners for preservative-treated and fire-retarded-treated wood - Including nuts and washers - shall be of hot dipped zinc-coated galvanized steel, stainless steel, silicon bronze, or copper. (CRC R317.3.3.)
- Exception:** 1/2-inch diameter or greater steel bolts.

G. Roofing and Weatherproofing

- c. Under and at the ends of masonry, wood, or metal copings and sills
- d. Continuously above all projecting wood trim
- e. Where exterior porches, decks, or stairs attach to a wall or floor assembly of wood-frame construction
- f. At wall and roof intersections

H. Grading and so

- b. Weather-based controllers without integral rain sensors or communication systems that account for local rainfall shall have a separate wired or wireless rain sensor which connects or communicates with the controller(s). Soil moisture-based controllers are not required to have rain sensor input.

(CALGreen) Requirements (Conti

- Exception:** Excavated soil and land-clearing debris.
- Exception:** Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist or are not located reasonably close to the job site
- The County of San Diego, Department of Public Works, Construction & Demolition

Exception: Excavated soil and land-clearing debris

- a. placed the building (L4 Green 4.1.10.1)?
- a. Directions to owner or occupant that manual shall remain with the building throughout the life cycle of the structure.
- b. Operation and maintenance instructions for the following:
 1. Equipment and appliances, including water-saving devices and systems, HVAC systems, water-heating systems and other major appliances and equipment.
 2. Roof and yard drainage, including gutters and downspouts.
 3. Space conditioning systems, including condensers and air filters.
 4. Landscape irrigation systems.

TABLE R602.3(1)
FASTENER SCHEDULE FOR
STRUCTURAL MEMBERS

[illegible]

THESE ARE MINIMUM REQUIREMENTS AND SHALL
MORE RESTRICTIVE SPECIFICATIONS ON THE
REQUIRED BY APPLICABLE CODE